

SEQUENCE LISTING

<110> Ruelle, Jean-Louis

<120> NEISSERIA MENINGITIDIS ANTIGEN

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<150> PCT/EP00/00137

<151> 2000-01-10

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<212> DNA

<213> Neisseria meningitidis

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Thr	Asn	Gln	Gln	Val	Lys	Asp	Arg	Asn	Val	Asp	Thr	Phe	Asp	Gln	Leu
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Lys	Thr	Pro	Ala	Gly	Arg	Pro	Gly	Cys	Asn	Thr	Ala	Asp	Asp	Lys	Ala
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Arg	Gly	Tyr	Ser	His	Thr	Val	Ala	Thr	Glu	Asn	Leu	Asp	Glu	Phe	Gly
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Leu Tyr Thr Pro Gln Thr Asn Leu Asp Ala Asp Gly Lys Leu Leu Lys
      515              520              525
Pro Arg Gln Gly Asn Gln Phe Glu Val Gly Tyr Lys Gly Ser Tyr Met
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Asp Asp Arg Leu Asn Ala Arg Val Ser Phe Tyr Arg Met Lys Asp Lys
545              550              555              560
Asn Ala Ala Ala Pro Leu Asn Pro Asn Asn Lys Lys Thr Arg Tyr Ala
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      580              585              590
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Ser Gln Ile Lys Thr Ala Ser Asn Ser Arg Asp Asp Gly Ile Phe Leu
      610              615              620
Leu Met Pro Lys His Ser Ala Asn Leu Trp Thr Thr Tyr Gln Val Thr
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Pro Glu Leu Thr Ile Gly Gly Gly Val Asn Ala Met Ser Gly Ile Thr
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Ser Ser Ala Gly Met His Ala Gly Gly Tyr Ala Thr Phe Asp Ala Met
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Ala Ala Tyr Arg Phe Thr Pro Lys Leu Lys Leu Gln Ile Asn Ala Asp
      675              680              685
Asn Ile Phe Asn Arg His Tyr Tyr Ala Arg Val Gly Gly Ala Asn Thr
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<212> DNA

<213> Neisseria meningitidis

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<211> 691

<212> PRT

<213> Neisseria meningitidis

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35 40 45
Ile Thr Asn Gln Gln Val Lys Asp Arg Asn Val Asp Thr Phe Asp Gln
50 55 60
Leu Ala Arg Lys Thr Pro Gly Leu Arg Val Leu Ser Asn Asp Asp Gly
65 70 75 80
Arg Ser Ser Val Tyr Ala Arg Gly Tyr Glu Tyr Ser Glu Tyr Asn Ile
85 90 95
Asp Gly Leu Pro Ala Gln Met Gln Ser Ile Asn Gly Thr Leu Pro Asn
100 105 110
Leu Phe Ala Phe Asp Arg Val Glu Val Met Arg Gly Pro Ser Gly Leu
115 120 125
Phe Asp Ser Ser Gly Glu Met Gly Gly Ile Val Asn Leu Val Arg Lys
130 135 140
Arg Pro Thr Lys Ala Phe Gln Gly His Ala Ala Ala Gly Phe Gly Thr
145 150 155 160
His Lys Gln Tyr Lys Ala Glu Ala Asp Val Ser Gly Ser Leu Asn Ser
165 170 175
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180 185 190
Pro Arg Pro Ala Glu Lys Asn Asn Arg His Glu Thr Phe Tyr Ala Ala
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Ala Asp Trp Asp Ile Asn Pro Asp Thr Val Leu Gly Ala Gly Tyr Leu
210 215 220
Tyr Gln Gln Arg His Leu Ala Pro Tyr Asn Gly Leu Pro Ala Asp Ala
225 230 235 240
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245 250 255
Trp Asn Lys Phe Lys Met Asn Ser His Asp Val Phe Ala Asp Leu Lys
260 265 270
His Tyr Phe Gly Asn Gly Gly Tyr Gly Lys Val Gly Met Arg Tyr Ser
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Gln Gly Arg Thr Thr Leu Tyr Ala Arg Gly Gly Leu Ala Leu Asn Glu
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Phe Arg Ser Ile Pro Gln Val Asp Leu Ile Ala Asn Ala Arg Lys Gly
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Val Arg Gly Tyr Ser His Thr Val Ala Thr Glu Asn Leu Asp Glu Phe
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Gly Ile Tyr Gly Lys Ser Thr Phe His Pro Ala Asp Gly Leu Ser Leu
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Ile Gly Gly Gly Arg Leu Gly His Tyr Lys Ile Glu Ser Gly Glu Gly
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Lys Thr Leu His Lys Ala Ser Lys Thr Lys Phe Thr Gly Tyr Ala Gly
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Ala Val Tyr Asp Leu Asn Asp Asn Asn Ser Leu Tyr Leu Ser Leu Ser
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Gln Leu Tyr Thr Pro Gln Thr Asn Leu Asp Ala Asp Gly Lys Leu Leu
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Lys Pro Arg Gln Gly Asn Gln Phe Glu Val Gly Tyr Lys Gly Ser Tyr
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Met Asp Asp Arg Leu Asn Ala Arg Val Ser Phe Tyr Arg Met Lys Asp
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Lys Asn Ala Ala Ala Pro Leu Asn Pro Asn Asn Lys Lys Thr Arg Tyr
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Ala Ala Leu Gly Lys Arg Val Met Glu Gly Val Glu Thr Glu Ile Ser
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Gly Ala Val Thr Pro Lys Trp Gln Ile His Ala Gly Tyr Ser Tyr Leu
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Leu Leu Met Pro Lys His Ser Ala Asn Leu Trp Thr Thr Tyr Gln Val
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